

**WORKSHOP:**

**SCIENCE CONTESTS IN ROBOTICS AND ELECTRICITY FOR GRADES 6-12**

**Saturday, 12 April 10:30am-11:30am**

**UNM SUB Room: Mirage/Thunderbird**

Laura Lomas Tomlinson (New Mexico State University)

**THE SHOCKING TRUTH ABOUT ELECTRICITY**

The Shocking Truth About Electricity is a hands-on, interactive workshop designed for educators who teach 5th grade through high school, middle school and high school students, and anyone interested in learning about electricity. Topics will cover the different types of electricity, resistors, and how light bulbs work. There will be some basic engineering challenges that will develop a deeper understanding of electron flow and the development of equations. This workshop is sponsored by Southern New Mexico Science, Engineering, Mathematics, and Aerospace Academy based at New Mexico State University which is dedicated to encouraging K-12 students into the STEM fields.

Fabian Lopez (Inquiry Facilitators Inc) and Russ Fisher Ives (Inquiry Facilitators, Inc)

**RAVE DIRECTORS**

The RoboRAVE International is a twice-a-year robotics competition, with the spring competition in southern New Mexico and the fall competition in the northern part of the state. The RAVE promotes Science, Technology, Engineering and Mathematics awareness and concepts via robotics competitions which combine science and fun in a unique, fast-paced, engaging and valuable learning experience. The competitions are focused on grades 6-12. These students can compete in three categories in teams of two to four students for cash prizes that range from \$5 to \$500 for teams that finish in the top three places. Our motto "Today's Play, Tomorrow's Pay."